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In [ ]: import numpy as np

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In [ ]: import matplotlib.pyplot as plt

In [ ]: import os
from nbconvert import HTMLExporter
from nbconvert.preprocessors import ExecutePreprocessor
from nbconvert import PDFExporter
import subprocess

In [ ]: notebooks_dir = "."

In [ ]: notebook_path = os.path.join(notebooks_dir, "all_hub_basic_notebook.ipynb")

# Set the output PDF file path
pdf_path = os.path.splitext(notebook_path)[0] + ".pdf"

try:
    # Use subprocess to call nbconvert to generate the PDF
    result = subprocess.run(
        ["jupyter", "nbconvert", "--to", "webpdf", notebook_path],
        capture_output=True,
        text=True,
    )

    # Check if the conversion was successful
    if result.returncode != 0:
        raise Exception(f"PDF conversion failed for notebook. Error: {result}")

    # Verify that the PDF file exists
    if not os.path.exists(pdf_path):
        raise FileNotFoundError(
            f"PDF conversion did not create the expected file for notebook"
        )

    print(f"Successfully converted notebook to PDF")

except Exception as e:
    print(f"Error: {str(e)}")
```

Successfully converted notebook to PDF

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In [ ]:
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